



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Hargreaves et al.

Attorney Docket No.: STFUP154/S02-286

Application No.: 10/643,286

Examiner: Not Yet Assigned

Filed: August 18, 2003

Group: 2862

Title: STEADY STATE FREE PRECESSION  
MAGNETIC RESONANCE IMAGING USING  
PHASE DETECTION FOR MATERIAL  
SEPARATION

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first-class mail on 3/12/04 in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Signed: 

Kristina Gomez

**INFORMATION DISCLOSURE STATEMENT  
37 CFR §§1.56 AND 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

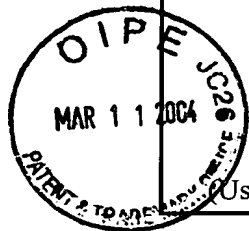
This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. STFUP154).

Respectfully submitted,  
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<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	<b>Atty Docket No.</b>	STFUP154/S02-286
	<b>Application No.:</b>	10/643,286
	<b>Applicant</b>	Hargreaves et al.
	<b>Filing Date</b>	August 18, 2003
	<b>Group</b>	2862

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A.	4,769,603	09/1988	Oppelt et al.			
	B.	5,144,235	09/1992	Glover et al.			
	C.	5,225,781	07/1993	Glover et al.			
	D.	5,541,514	06/1996	Heid et al.			
	E.	5,655,531	08/1997	Nishimura et al.			
	F.	6,307,368 B1	10/2001	Vasanawala et al.			
	G.	6,339,332 B1	01/2002	Deimling			
	H.	6,366,090 B1	04/2002	Heid			
	I.	6,369,569 B1	04/2002	Heid			
	J.	6,404,195 B1	06/2002	Deimling			
	K.	6,452,387 B1	09/2002	Hargreaves et al.			
	L.						

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial		Document No.	Publication Date	Country or Patent Office	Class	Sub-Class	Translation	
							Yes	No
	M.							
	N.							
	O.							

#### Other Documents

Examiner Initial	No.	Author, Title, Place (e.g. Journal) of Publication, Date
	P.	Hargreaves et al., "Fat Suppressed Steady-State Free Precession Imaging Using Phase Detection," Magnetic Resonance in Medicine 50:210-213 (2003).
	Q.	
<b>Examiner</b>		<b>Date Considered</b>

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.